

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of notifying changes of state in the resources of a network to at least one application of an application layer of the network and adapted to execute on the network, the method comprising the following steps:

· extracting routing ~~information,~~information from a transport or network layer of the network, using change-of-state notification means with which the application has previously been registered; and

· forwarding said routing information extracted by the notification means to the application.

2. (Currently Amended) A change-of-state notification method according to claim 1, wherein, during ~~the a prior registration step,~~step by which the application was registered with the change-of-state notification means, a fraction of ~~the~~ nodes and/or of the links of the network is selected so that the information that is extracted and forwarded to said application is routing information relating to said selected fraction of the nodes and/or of the links.

3. (Currently Amended) A change-of-state notification method according to claim 1, wherein the network is an ad-hoc network, and ~~in that~~ the routing information is extracted by interrogating a routing protocol implemented in the ad-hoc network.

4. (Previously Presented) A change-of-state notification method according to claim 3, wherein the routing information is extracted from routing tables exchanged by a proactive routing protocol of the ad-hoc network, in particular the OLSR protocol.

5. (Currently Amended) A change-of-state notification method according to claim 1, further including a step of dynamically extending the notification means during

which new extraction rules are introduced into the notification means corresponding to new routing information that has been deployed on the ~~network-network~~.

6. (Currently Amended) A computer-readable recording medium storing a computer program for performing a change-of-state notification method, the method executed by a computer, wherein ~~for notifying changes of state in the resources of a network to at least one application adapted to execute on the network,~~ the program ~~including,~~includes, for an application that has previously been registered with the program, instructions causing the computer to operate as means for extracting routing information, information from a transport or network layer of the network, and means for forwarding the extracted information to the application.

7. (Currently Amended) A system for notifying ~~changes of state~~changes-of-state in the resources of a network, the system comprising the network and at least one application adapted to execute on the network, and including a computer program installed on at least one ~~of the nodes~~node of the network, the program including, for an application that has previously been registered with the program, instructions for causing the node to operate as means for extracting routing information, information from a transport or network layer of the network, and means for forwarding the extracted information to the application.

8. (Currently Amended) Node of a network, comprising routing applications, ~~wherein it comprises further~~the node storing a computer program including, for an application that has previously been registered with the program, instructions for causing the node to operate as means for extracting routing information, information from a transport or network layer of the network, and means for forwarding the extracted information to the application.